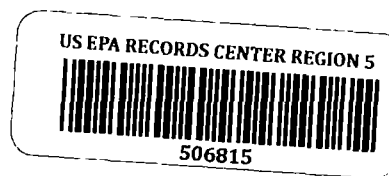


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CALGON CORPORATION  
PITTSBURGH, PA

FOR

CCS  
STANDARD PLANT

CCS TREATMENT PLANTS

SPECIFICATION NO. 7209A-SC1  
FOR  
SPECIAL CONDITIONS

February 15, 1974

REVISIONS

This specification has been revised as indicated below and the new pages added and/or the existing pages revised are attached as replacement for those previously issued.

<u>REV.</u>	<u>DATE</u>	<u>BY</u>	<u>PAGE</u>	<u>REMARKS</u>
0	2-18-74	ABC	All	Issued for Construction
1	12-13-79	WAB	1	Title Update

SC1.1-7

**1.0 INTRODUCTORY**

- 1.1 This document covers the general requirements governing execution of the Work described in the accompanying Specifications. They are to be given full consideration in the supply of services and material as well as workmanship for the project.
- 1.2 All Work is to be performed at the City of St. Louis Park, Minnesota.

**2.0 DEFINITIONS**

- 2.1 The word "Owner" as used herein and in other Contract Documents shall mean
- 2.2 The word "Engineer" as used herein and in other Contract Documents shall mean the Calgon Corporation or its legally designated Representative.
- 2.3 "Contractor" shall mean the party or parties legally engaged or anticipating being engaged by the Engineer to provide materials and/or work covered by one or more parts of the Specifications.
- 2.4 "Contract Documents" shall mean all Specifications, all Bills of Materials and all Drawings applying to the contract.

**3.0 GENERAL REQUIREMENTS**

- 3.1 Prospective contractors shall visit the jobsite and acquaint themselves with local conditions relative to execution of the work required. Failure to do so will not relieve the contractor of his responsibility for the satisfactory performance of work covered by the provisions of the Contract Documents.
- 3.2 Each prospective contractor shall review all applicable Contract Documents. He shall be responsible for informing the Engineer regarding details either unclear to him or in seeming conflict with codes and/or current trade practices for clarification or resolution prior to submission of bids. Vendor's drawings and data, if referred to in the Contract Documents, are available for examination in the Engineer's office.
- 3.3 The work to be done under the contract shall be performed while the existing plant is in operation and shall be so arranged and executed as to completely eliminate or minimize plant down-time.

**SC1.2**

**3.0 GENERAL REQUIREMENTS (Cont'd)**

**3.4 Permits, Licenses, Etc.**

- 3.4.1 The Contractor shall be responsible for securing all permits, licenses, etc., required by Local, County, State or Federal Government offices for his work.**

**3.5 Materials**

- 3.5.1 All materials supplied by the Contractor shall be new and of good quality and shall be approved by the Engineer before use.**

**3.6 Offices and Sheds**

- 3.6.1 The Contractor may establish an office for his own use on the premises at such a location as may be designated and/or approved by the Engineer.**
- 3.6.2 Fabrication and storage sheds required by the Contractor shall be provided by him at locations designated and/or approved by the Engineer. Upon completion of his work, he shall remove such facilities at his expense.**

**3.7 Transportation**

- 3.7.1 Rail and truck facilities are available in close proximity to the jobsite.**
- 3.7.2 The Contractor shall make his own investigation of transportation facilities.**

**3.8 Telephones**

- 3.8.1 The Contractor shall have a telephone in his office. Owner and Engineer will pay for all toll calls made by their representatives.**

**3.9 Temporary Electric Work**

- 3.9.1 Owner will furnish an electric service connection for lighting and small power tools at 120/240 volts, single phase, 60 cycles at a fixed location on the plant site. Contractor shall furnish, maintain and remove wiring, equipment, and/or other facilities to make temporary connections for his Work.**

**SC1.3**

**3.0 GENERAL REQUIREMENTS**

**3.9 Temporary Electric Work (Cont'd)**

**3.9.2 A reasonable amount of current will be supplied without charge.**

**3.9.3 Contractor shall provide ground fault circuit protection for all portable tools per NEC section 210-7.**

**3.10 Temporary Water Service**

**3.10.1 Arrangements for temporary water service shall be made with the Engineer.**

**3.11 Toilet Facilities**

**3.11.1 Contractor shall provide toilet facilities for use by his and Subcontractor's employees.**

**3.12 Railroad Siding**

**3.12.1 The plant railroad siding may be used by the Contractor to receive rail shipments. Arrangements for use of the siding shall be made in advance with the Engineer.**

**3.13 Access Roads**

**3.13.1 Only those roads authorized by the Engineer for use of Contractor and his employees shall be traveled.**

**3.14 Parking Lot**

**3.14.1 A parking lot adjacent to the plant site may be available for use by the Contractor's employees. Arrangements for such space must be developed with the Engineer.**

**3.15 Construction Personnel Entrance**

**3.15.1 The entrance for construction personnel to the plant-site shall be as designated by the Engineer.**

**3.16 Passes**

**3.16.1 Passes for admittance of the Contractor and his personnel to the plant-site will be issued, if and when required, by the Engineer. Contractor's personnel must wear the badges and will not be permitted in other areas of the plant except as specifically directed by the Engineer.**

**SC1.4**

**3.0 GENERAL REQUIREMENTS (Cont'd)**

**3.17 Signs**

**3.17.1 Signs may be erected only as authorized in writing by the Engineer.**

**3.18 Photographs**

**3.18.1 The Contractor shall not make any photographs of his or any other work on the Site without permission in writing from the Engineer.**

**4.0 PERFORMANCE**

- 4.1 At the beginning of his field operations, the Contractor shall check and verify field dimensions prior to installation so as to assure proper fit of all components. No extra compensation will be allowed the Contractor for extra costs resulting from his failure to take such measurements.**
- 4.2 The Contractor shall be responsible for the satisfactory performance of the work and all work shall be executed in a neat and workmanlike manner by qualified and efficient craftsmen. All work is subject to inspection and acceptance by the Engineer. All work which is rejected shall be corrected to the satisfaction of the Engineer and shall be at the Contractor's expense.**
- 4.3 The contract drawings, which shall be strictly followed, delineate the work to be furnished and installed under the Contract. If any departures from the drawings and specifications are deemed necessary by the Contractor, the details of such departures and the reasons therefore shall be promptly submitted to the Engineer for consideration.**
- 4.4 Contractor shall contact the Engineer to establish an overall Schedule of Work, including the date when field operations should start.**
- 4.5 The Contractor shall keep a graphic record of the progress of his Work. He shall coordinate his work with that of other Contractors so as to eliminate work interferences and craft conflicts. The Contractor shall schedule his work with the Engineer so as to provide adequate time for inspection and approval by the Engineer.**
- 4.6 The Contractor shall provide all scaffolding, staging, barricades, etc., required for the safe execution of his work. Scaffolding shall be so placed as to not interfere with the work of other Contractors. Should it be necessary for the progress of the work in**

**SC1.5**

**4.0 PERFORMANCE**

**4.6 (Cont'd)**

general, the Contractor shall, if so directed by the Engineer and without extra cost, move, relocate, or rearrange his scaffolds and ladders to permit other crafts to proceed with their work without delay.

- 4.7 When the Contractor is required to apply material on or against surfaces installed by others, he shall report to the Engineer any irregularities or unsatisfactory conditions which could affect his work before beginning his operations. Commencement of any work without such notification shall signify his acceptance of conditions and his responsibility for the outcome of his work.
- 4.8 Tie-ins to existing utilities shall be made only at times and places designated by the Engineer.
- 4.9 All manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the Manufacturer unless otherwise specified in the Contract Documents.
- 4.10 The Contractor shall perform, to the satisfaction of the Engineer, all cutting, fitting, or patching of his work which may be required to make its various parts come together properly and fit it to receive or be received by work of others as shown or reasonably implied by the drawings and specifications for the completed facility. The Contractor shall not endanger any work by cutting, digging, or otherwise altering it and shall not cut or alter facilities of the Owner or other Contractors without prior written consent of the Engineer.
- 4.11 Work to performed under this specification shall be executed in accordance with the best current practices being followed in the construction industry.
- 4.12 All work shall be accomplished without damage to equipment, roadways, buildings and/or structures. Should damage occur, the Contractor shall immediately repair at his own expense all damage caused directly or indirectly by his workmen.
- 4.13 THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO THE EXECUTION OF HIS WORK, INCLUDING THE CONSTRUCTION SAFETY STANDARDS, FEDERAL REGULATIONS TITLE 29, CHAPTER XVII, PART 1926 - OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION.

**SC1.6**

**5.0 DELIVERY OF EQUIPMENT, HANDLING AND STORAGE**

- 5.1 The Contractor shall receive, unload, handle, warehouse and be responsible for the care and maintenance after receipt and while in store of all materials and equipment of whatsoever nature delivered to the site for his incorporation in the work. For materials and equipment furnished by Calgon, Contractor shall complete Calgon furnished receiving reports and transmit them to the Engineer.
- 5.2 In addition to any special requirements of the Specifications, the following conditions shall also govern the storage and handling of materials.
  - 5.2.1 Packaged materials shall be delivered in unopened containers
  - 5.2.2 Cementitious materials shall be stored in sheds, off the ground to prevent intrusion of foreign material and damage by water.
  - 5.2.3 Unload, store and handle structural and miscellaneous steel items in a manner and with such facilities and care as will prevent distortion and damage to members and will keep them clean and thoroughly drained.
  - 5.2.4 Materials and equipment with moving parts which will be affected by moisture, shall be properly covered or housed and stored in a reasonably dry location.
  - 5.2.5 Use of any damaged equipment or materials is expressly prohibited.
- 5.3 Storage areas are available but may be limited and, hence, will be assigned by the Engineer.

**6.0 CLEAN-UP**

- 6.1 The working areas shall be kept clean during the progress of the job. All materials, tools and supplies not in use shall be put away, and all scaffolds, ladders, and construction equipment shall be maintained in a safe and secure condition. Debris shall be removed to a waste material area established by the Engineer, or removed from the jobsite as directed.
- 6.2 Upon completion of all his work, the Contractor shall clean up the facility by removing all debris, waste materials, surplus materials, etc., and shall make certain that all areas in which he has been working are in a neat, clean, and orderly condition ready for final acceptance by the Engineer.

SC1.7